JUL 1 2 REC'D   230803

SEARCH REQUEST FORM   Scientific and Technical Information Center - EIC2800
Rev. 3/19/2007   This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 7/10/07 Serial # 10/797,862 Priority Application Filing Date 2/25/03

Your Name Mi Chu IS   Examiner # 73172

AU 2892 Phone 272-1535 Room 5A39

In what format would you like your results? Paper is the default.   PAPER   ·   DISK   EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?
Circle: USPAT   USPGPUB   DWPI   EPO Abs   JPO Abs   IBM TDB
Other:_____

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.
_____

What types of <u>references</u> would you like? Please checkmark:

Primary Refs _____   · Nonpatent Literature _____   Teaching Refs _____
Secondary Refs ___   Foreign Patents _____   Other _____

If this is a "Fast & Focused Search" request, put a checkmark here: ☐
And then please speak in-person immediately with the
EIC2800 Technical Information Specialist or with an EIC2800 Searcher.
A "Fast & Focused Search" is completed in 2 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at http://uspto-a-pattr-2/siraapps/stic/npl/nplsearch.htm

In your own words, what is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search?   Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 19, 20-22
Plasma display panel

Problem: Seepoges 1-3
Solution: " " " 3 & C

* See Attached Last page

7,098,594
2002 0193353 (Korea Pub)

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7/16/2007 4:32:14 PM

[File 2] INSPEC 1898-2006/Jan W2
[File 6] NTIS 1964-2006/Jan W4
[File 8] Ei Compendex(R) 1970-2006/Jan W4
[File 34] SciSearch(R) Cited Ref Sci 1990-2006/Jan W4
[File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
[File 35] Dissertation Abs Online 1861-2006/Jan
[File 65] Inside Conferences 1993-2006/Jan W5
[File 99] Wilson Appl. Sci & Tech Abs 1983-2006/Apr
[File 144] Pascal 1973-2006/Jan W2
[File 23] CSA Technology Research Database 1963-2006/Jan
[File 103] Energy SciTec 1974-2006/Jan B1
[File 31] World Surface Coatings Abs 1976-2006/Jan
[File 95] TEME-Technology & Management 1989-2006/Jan W5
[File 57] Electronics & Communications Abstracts 1966-2006/Aug
[File 68] Solid State & Superconductivity Abstracts 1966-2006/Jan
[File 60] ANTE: Abstracts in New Tech & Engineer 1966-2006/Jan
[File 293] Engineered Materials Abstracts 1966-2006/Jan
[File 239] Mathsci 1940-2005/Feb
[File 256] TECINFOSOURCE 82-2005/DEC

Set   Items   Description
S1   955555   S LCD OR L()C()D OR LIQUID()CRYSTAL()(DISPLAY????? OR PANEL????? OR MATRI????? OR
SCREEN????) OR (FLAT OR PASSIV??? OR ACTIV???)(2N)(DISPLAY???? OR PANEL???? OR MATRI???? OR
SCREEN???) OR LIQUID(2N)CRYSTAL OR LCM OR L()C()M OR DISPLAY(2N)(MEANS OR DEVICE? ? OR APPARATUS
OR APPT? ?) OR FED OR F()E()D OR FIELD()(EMIS????? OR EMIT?????)()(DISPLAY????? OR PANEL????? OR
MATRI??????? OR SCREEN????) OR PDP OR P()D()P OR PLASMA(2N)(DISPLAY???? OR PANEL????? OR
MATRI???? OR SCREEN????) OR TFT OR T()F()T OR THIN()FILM()TRANSISTOR OR FET OR F()E()T OR
FIELD()EFFECT()TRANSISTOR????

S2   19198501   S SUBSTRATE OR MATERIAL??? OR SUPPORT???? OR WAFER???? OR SURFAC???? OR
SUBSTANC????

S3   15990735   S (BUS OR PATH???? OR PATH()WAY CHANNEL???)(3N)(ELECTROD??? OR PROB???? OR
CONDUCT???? OR ANOD???? OR CATHOD???) OR ELECTROD??? OR PROB???? OR CONDUCT???? OR ANOD???? OR
CATHOD??? OR BUS OR PATH????? OR PATH()WAY OR CHANNEL???

S4   26369649   S MARK???? OR PATTERN????? OR DESIGN???? OR LOGO??? OR EMBLEM????? OR SCOR???? OR
LINE??? OR STRIP????? OR INSIGN???? OR INDIC????? OR TEMPLAT??? OR CONFIGUR?????? OR LAYOUT OR
LAY()OUT OR LATTIC???? OR MATRI?????

S5   24237391   S LINE??? OR SEGMENT???? OR PART??????? OR AREA????? OR REGION?????? OR
LINE()SEGMENT???

S6   191351   S (ISOLAT???? OR INDEPEN???? OR SEPARAT???? OR SUPPORT???? OR DEPEND????)(3N)(BUS
OR ELECTROD??? OR CHANNEL??? OR PATH???? OR PATH()WAY)

S7   745798   S (PREDETERMIN??????? OR PRESCRIB????? OR SET OR PREDEFINE???? OR FIXED OR
PRESELECT???? OR SELECT???? OR DEFIN???? OR CALCULAT????? OR ESTIMAT???? OR DETERMIN???? OR
SPECIF????? OR PRECIS???? OR DEFIN???? OR ESTABLISH???? OR CERTAIN OR PREDICT???? OR
MAINTAIN?????)(3N)(ASSEMB???? OR POSITION???? OR REFERENC????? OR LOCAT???? OR DIRECT???)

S8   499174   S HEX?????? OR HONEYCOMB??? OR HONEY()COMB??? OR HEXA???????()HONEYCOMB??? OR
HEX??????()HONEY()COMB??? OR RHOMB????

S9   73104   S (PARALLEL??? OR LATERAL????)(3N)(SEGMENT????? OR REGION???? OR AREA??? OR
SECTION???? OR PART??????)

S10   47482   S (BLACK OR NOIR)(2N)(MATRI???? OR ARRAY???? OR MESH??? OR PATTERN?????) OR
NON()TRANSPARENT OR NON()TRANSLUCENT OR OPAQUE

S11   1947790   S RIB OR RIBB???? OR SPACER OR RIDG??? OR FRAM?????
S12   0   S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9 AND S10 AND S11
S13   0   S S1(3N)S3(3N)S6(3N)S7
S14   74   S S1 AND S3 AND S6 AND S7
S15   28   S S14 AND S4
S16   15   RD (unique items)

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S17      34    S S14 AND S5
S18       0    S S17 AND S8
S19       0    S S17 AND S9
S20       0    S S17 AND S10
S21       0    S S17 AND S11
S22    9222    S (IMPROV??? OR OPTIM???? OR EXEL??? OR BETTER)(3N)ALIGN????
S23       0    S S14 AND S22
S24       8    S S14 AND ALIGN????
S25       5    RD  (unique items)
S26       0    S S1 AND S4(3N)S5 AND S6(3N)S7
S27     702    S S3 AND S4 AND S5 AND S6 AND S7
S28      13    S S1 AND S27
S29       7    RD  (unique items)
S30      19    S S1(3N)S4(3N)S22
S31      11    RD  (unique items)
S32       4    S S25 NOT S16
S33       6    S S28 NOT (S16 OR S25)
S34       0    S S29 NOT (S16 OR S25)
S35      11    S S31 NOT (S16 OR S25 OR S29)
S36      26    S S17 NOT (S16 OR S25 OR S29 OR S31)
S37      10    RD  (unique items)
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[File 344] Chinese Patents Abs Jan 1985-2006/Jan
[File 347] JAPIO Nov 1976-2005/Sep(Updated 060103)
[File 350] Derwent WPIX 1963-2007/UD,UM &UP=200744
[File 371] French Patents 1961-2002/BOPI 200209

Set   Items   Description
S1   1448152   S LCD OR L()C()D OR LIQUID()CRYSTAL()(DISPLAY????? OR PANEL????? OR MATRI????? OR
SCREEN????) OR (FLAT OR PASSIV??? OR ACTIV???)(2N)(DISPLAY???? OR PANEL???? OR MATRI???? OR
SCREEN???) OR LIQUID(2N)CRYSTAL OR LCM OR L()C()M OR DISPLAY(2N)(MEANS OR DEVICE? ? OR APPARATUS
OR APPT? ?) OR FED OR F()E()D OR FIELD()(EMIS????? OR EMIT?????)()(DISPLAY????? OR PANEL????? OR
MATRI??????? OR SCREEN????) OR PDP OR P()D()P OR PLASMA(2N)(DISPLAY???? OR PANEL????? OR
MATRI???? OR SCREEN????) OR TFT OR T()F()T OR THIN()FILM()TRANSISTOR OR FET OR F()E()T OR
FIELD()EFFECT()TRANSISTOR????

S2   957997   S (FRONT??? OR REAR????? OR BACK???? OR TOP OR BOTTOM OR TOPMOST OR
OPPOS????)(3N)(SUBSTRATE OR MATERIAL??? OR SUPPORT???? OR WAFER???? OR SURFAC???? OR
SUBSTANC????)

S3   7126723   S (BUS OR PATH???? OR PATH()WAY CHANNEL???)(3N)(ELECTROD??? OR PROB???? OR
CONDUCT???? OR ANOD???? OR CATHOD???) OR ELECTROD??? OR PROB???? OR CONDUCT???? OR ANOD???? OR
CATHOD??? OR BUS OR PATH????? OR PATH()WAY OR CHANNEL???

S4   5624445   S MARK???? OR PATTERN????? OR DESIGN???? OR LOGO??? OR EMBLEM????? OR SCOR???? OR
LINE??? OR STRIP????? OR INSIGN???? OR INDIC????? OR TEMPLAT??? OR CONFIGUR?????? OR LAYOUT OR
LAY()OUT OR LATTIC???? OR MATRI?????

S5   9671359   S LINE??? OR SEGMENT???? OR PART??????? OR AREA????? OR REGION?????? OR
LINE()SEGMENT???

S6   143073   S (ISOLAT???? OR INDEPEN???? OR SEPARAT???? OR SUPPORT???? OR DEPEND????)(3N)(BUS
OR ELECTROD??? OR CHANNEL??? OR PATH???? OR PATH()WAY)

S7   1106806   S (PREDETERMIN??????? OR PRESCRIB????? OR SET OR PREDEFINE???? OR FIXED OR
PRESELECT???? OR SELECT???? OR DEFIN???? OR CALCULAT????? OR ESTIMAT???? OR DETERMIN???? OR
SPECIF????? OR PRECIS???? OR DEFIN???? OR ESTABLISH???? OR CERTAIN OR PREDICT???? OR
MAINTAIN?????)(3N)(ASSEMB???? OR POSITION???? OR REFERENC????? OR LOCAT???? OR DIRECT???)

S8   921849   S HEX?????? OR HONEYCOMB??? OR HONEY()COMB??? OR HEXA???????()HONEYCOMB??? OR
HEX??????()HONEY()COMB??? OR RHOMB???? OR MATRI???? OR ARRAY???

S9   1529329   S RIB OR RIBB???? OR SPACER OR RIDG??? OR FRAM?????

S10   130691   S (PARALLEL??? OR LATERAL????)(3N)(SEGMENT????? OR REGION???? OR AREA??? OR
SECTION???? OR PART??????)

S11   54497   S (BLACK OR NOIR)(2N)(MATRI???? OR ARRAY???? OR MESH??? OR PATTERN?????) OR
NON()TRANSPARENT OR NON()TRANSLUCENT OR OPAQUE

S12   7289   S IC=(H01J-017/00 OR H01J-017/49)
S13   9510   S MC=(V05-A01A3 OR V05-A01D1 OR V05-A01D3)
S14   0   S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9 AND S10 AND S11
S15   1546   S S1(3N)S5(3N)S7
S16   114   S S15 AND S2
S17   63   S S16 AND S3
S18   39   S S17 AND S4
S19   8   S S18 AND S6
S20   16   S S18 AND S8
S21   3   S S18 AND S9
S22   7   S S18 AND S10
S23   5   S S18 AND S11
S24   2   S S17 AND S12
S25   5   S S17 AND S13
S26   1296   S S1(3N)S3(3N)S5(3N)S6
S27   228   S S26 AND S2
S28   155   S S27 AND S4
S29   18   S S28 AND S7

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S30        7    S S29 AND S8
S31        2    S S29 AND S9
S32       21    S S28 AND S9
S33        3    S S29 AND S10
S34       15    S S28 AND S10
S35        5    S S28 AND S11
S36     8132    S (IMPROV??? OR OPTIM???? OR EXEL??? OR BETTER)(3N)ALIGN????
S37        2    S S28 AND S36
S38        0    S S16 AND S36
S39        5    S S26 AND S36
S40        3    S S21 NOT S19
S41        5    S S22 NOT (S19 OR S21)
S42        2    S S23 NOT (S19 OR S21 OR S22)
S43        0    S S24 NOT (S19 OR S21 OR S22 OR S23)
S44        2    S S25 NOT (S19 OR S21 OR S22 OR S23 OR S24)
S45        4    S S30 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25)
S46        1    S S31 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30)
S47        1    S S33 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31)
S48        5    S S35 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33)
S49        2    S S37 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35)

S50        3    S S39 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35 OR
S37)

S51        9    S S20 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35 OR
S37 OR S39)

S52        7    S S29 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35 OR
S37 OR S39 OR S20)

S53       12    S S34 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35 OR
S37 OR S39 OR S20 OR S29)

S54       17    S S32 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35 OR
S37 OR S39 OR S20 OR S29 OR S34)
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7/17/2007 12:12:37 PM

[File 342] Derwent Patents Citation Indx 1978-07/200704

s pn=us 7098594

S1   1   S PN=US 7098594

map pn/ct=

SearchSave "SC533" stored
1 Select Statement, 6 Search Term(s)
SearchSave SC533

1 SearchSave(s), 6 Search Term(s)

ex
  EX: S CT=CN 1518035 + CT=JP 2004228071 + CT=KR 2004067258 + CT=KR 502910 +
CT=US 2004169473 + CT=US 7098594
              0   CT=CN 1518035
              0   CT=JP 2004228071
              0   CT=KR 2004067258
              0   CT=KR 502910
              1   CT=US 2004169473
              0   CT=US 7098594
S2   1   S CT=CN 1518035 + CT=JP 2004228071 + CT=KR 2004067258 + CT=KR
502910 + CT=US 2004169473 + CT=US 7098594
>>>E: New set 2 is not less than the last set: 2

map pn

SearchSave "SC534" stored
1 Select Statement, 2 Search Term(s)
SearchSave SC534

1 SearchSave(s), 2 Search Term(s)

[File 344] Chinese Patents Abs Jan 1985-2006/Jan
[File 347] JAPIO Nov 1976-2005/Sep(Updated 060103)
[File 350] Derwent WPIX 1963-2007/UD,UM &UP=200744
[File 371] French Patents 1961-2002/BOPI 200209

Set   Items   Description
S1   1   PN=US 2005134175 + PN=US 7045963

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"7098594"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/17 12:41
L2	8	("20010040539" | "20020021090" | "5182489" | "6090464" | "6373195" | "6376986" | "6806645" | "6853136").PN. OR ("7098594"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 13:11
L3	14297	plasma adj display adj panel	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 13:12
L4	14285	plasma adj display adj panel	US-PGPUB; USPAT	OR	ON	2007/07/17 13:12
L5	31549	line adj segment	US-PGPUB; USPAT	OR	ON	2007/07/17 13:13
L6	113469	(isolat$4 or independent or dependent or separat$4) near3 (bus or electrode)	US-PGPUB; USPAT	OR	ON	2007/07/17 13:26
L7	11	4 and 5 and 6	US-PGPUB; USPAT	OR	ON	2007/07/17 13:26

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"7098594"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/17 12:41
L2	8	("20010040539" | "20020021090" | "5182489" | "6090464" | "6373195" | "6376986" | "6806645" | "6853136").PN. OR ("7098594"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 13:11
L3	14297	plasma adj display adj panel	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 13:12
L4	14285	plasma adj display adj panel	US-PGPUB; USPAT	OR	ON	2007/07/17 13:12
L5	31549	line adj segment	US-PGPUB; USPAT	OR	ON	2007/07/17 13:13
L6	113469	(isolat$4 or independent or dependent or separat$4) near3 (bus or electrode)	US-PGPUB; USPAT	OR	ON	2007/07/17 13:26
L7	11	4 and 5 and 6	US-PGPUB; USPAT	OR	ON	2007/07/17 13:35
L8	37	4 near3 6	US-PGPUB; USPAT	OR	ON	2007/07/17 13:35
L9	37	8 not 7	US-PGPUB; USPAT	OR	ON	2007/07/17 13:36